



Confidence in precision opens in an emergency all doors

PA-KL²-T - Folding Arm² Door Opener

SIMON
we create fire safety



PA-KL²-T – Folding Arm² Door Opener

For the natural smoke and heat exhaust it is physically indispensable that a sufficient supply air opening is available. This has to be the 1.5 fold of the air discharge opening according to building code. In practice there is an increased use of automatic electrical operated doors beside windows and flaps. **The Folding Arm² Door Opener** is the ideal actuator technology for smoke and heat exhaust supply air doors for keeping the door for the daily use manually flexible.

Possible Applications

About six different mounting variations offer a high flexibility of this actuator system. Whether with mounting on the door frame or in reveal, plus rotating on the door, the Folding Arm² door opener shows its strengths independent of door variations. Adjusted to a DIN-right-door in delivery condition, the Folding Arm² door opener allows to reprogram itself to a DIN-left-door on-site without further accessories.

The central microprocessor provides beneath this function also a delayed dry contact signal, which allows the control of an electrical door opener.

Therefore also external doors and others doors, which are closed for standard can be assigned for supplying air in SHEV case. Different from opening flaps for the smoke and heat exhaust the Folding Arm² door opener is not fixed directly to the door leaf. The force of the high-grade-steel arm pushes in emergency, led over a role, the self-closing door in open direction and allows therefore furthermore the unrestricted opening of the door, for example in escape routes.

Established concept with new technology

The PA-KL²-T door opener is based on the new actuator technology of the range Folding Arm² with SICO BUS. The Folding Arm² is compact and delivers a performance density that no other aggregate can compete with. The high-quality anodized E6/EV1 aluminum housing and the stainless steel arm processed with laser technology fit visually appealing to any supply air door.



The Folding Arm² door opener PA-KL²-T as ideal opening actuator on a supply air door.

Technical Data PA-KL²-T-30

Nominal voltage	24 V DC
Nominal current	1.2 A
Opening angle	122 ° (adjustable)
Force into OPEN	300 N
Force into CLOSE	50 N
Cut-off system	Integrated electrical cut-off-system with additional dry contact
Running speed	2 °/s
Opening time	~ 60 s
Protection class	IP 54
Switch on duration	ED 30%
Temperature range	0 up to + 75 °C
Weight	approx. 4.2 kg
Stability	300 °C for 30 min.
Dimensions	L 474 x W 58 x H 118 mm
Certification	Certified according to EN 12101-2 for continuous operation RE 1000

Article versions

M2 2020	PA-KL ² -T-30 Folding Arm ² Door Opener
M2 2021	PA-KL ² -T-50 Folding Arm ² Door Opener
M2 2022	PA-KL ² -T-80 Folding Arm ² Door Opener
M2 2023	PA-KL ² -T-K-50 Folding Arm ² Door Opener
K2 1621	K-KL ² -T-MP Mounting bracket for installation on the wall / door frame
K2 1620	K-KL ² -T-MW Mounting bracket for installation in the reveal



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